

1 0 MICROSCOPE SYSTEM

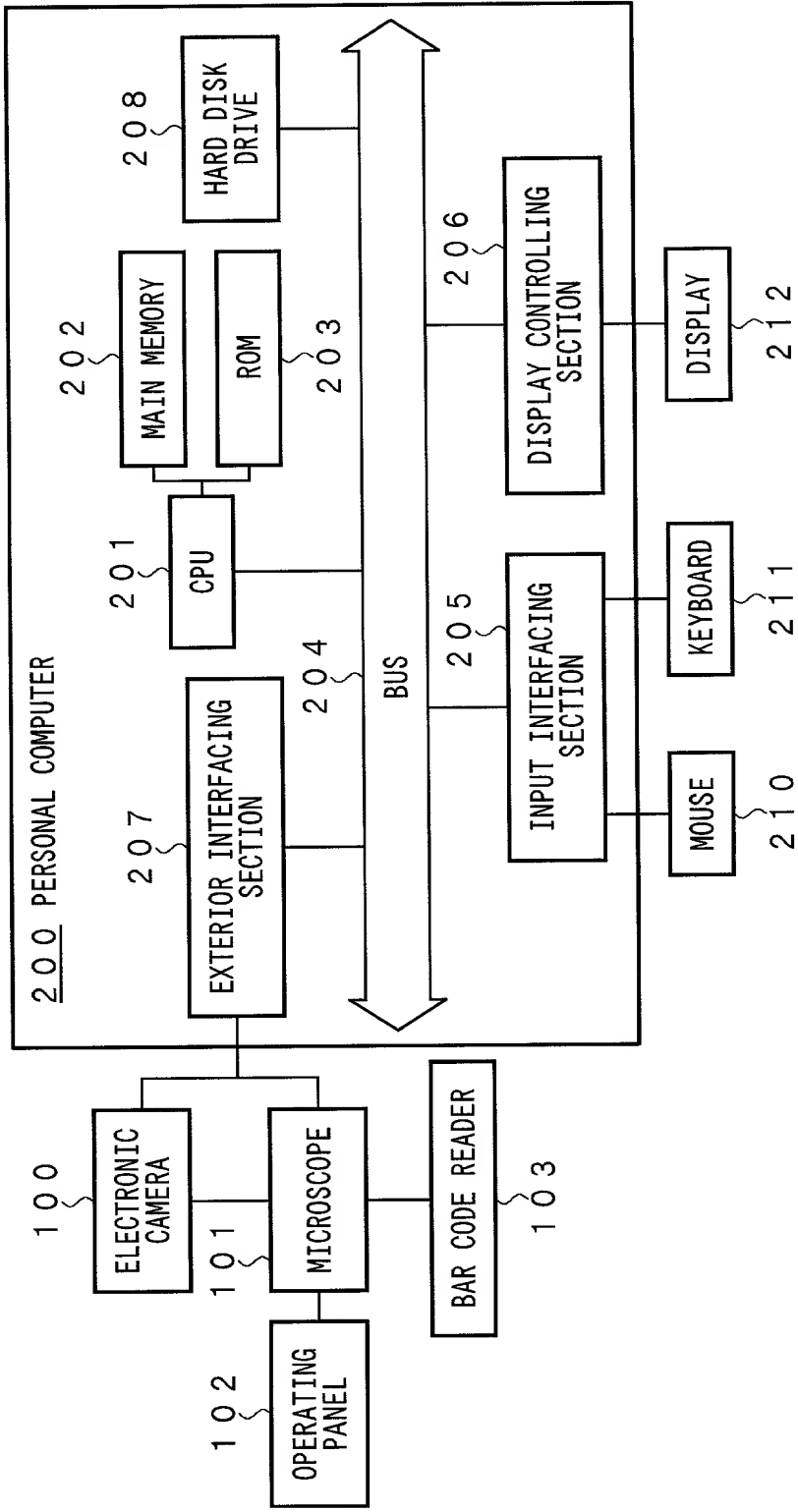


Fig. 1

File Name Setting

Directory Name
C:\Image ▼

File Name
Prefix
IMAGE_

Body
\$###

Ex:
C:\Image\IMAGE_001

INPUT FIELD 1

INPUT FIELD 2

INPUT FIELD 3

FILE NAME SETTING SCREEN

F i g . 2

PARAMETER NAME	MEANING	EXAMPLE OF ACTUAL CHARACTER STRING
\$YYYY	PHOTOGRAPHED YEAR (4-DIGIT NUMBER)	1999,2000
\$YY	PHOTOGRAPHED YEAR (2-DIGIT NUMBER)	99,00
\$MM	PHOTOGRAPHED MONTH (NUMERIC EXPRESSION)	01
\$MMM	PHOTOGRAPHED MONTH	JAN
\$DD	PHOTOGRAPHED DATE	21
\$Date	PHOTOGRAPHED YEAR, MONTH, AND DATE	00/03/01
\$h24	PHOTOGRAPHED TIME: HOURS (24-HOUR EXPRESSION)	23
\$h12	PHOTOGRAPHED TIME: HOURS (12-HOUR EXPRESSION)	11PM
\$mm	PHOTOGRAPHED TIME: MINUTES	23
\$ss	PHOTOGRAPHED TIME: SECONDS	59
\$USER	USER NAME	UMEMURA
\$PRJ	PROJECT NAME	PRJ-1, PRJ-2 TEST-A, TEST-B
###	SERIAL NUMBER IN THE SAME DIRECTORY	001
\$ID	PATIENT NO. (REGISTRATION NO.)	62032501
\$SampleNo	SAMPLE NO. (SAMPLE MANAGEMENT NO.)	001
\$SampleTyp	SAMPLE TYPE EX:LUNG	LUNG
\$Mic	MICROSCOPY EX: DIASCOPIC(DIA), BRIGHT-FIELD(BF), DARK-FIELD(DF), DIFFERENTIAL INTERFERENCE CONTRAST(DIC), PHASE CONTRAST(PH), POLARIZATION(PO), EPISCOPIE(EPI), FLOURESCENCE(FL), DOUBLE INTERFERENCE(DI)	DIA, BF, DF, DIC, PH, PO, EPI, FL, DI
\$OBJ	TYPE OF OBJECTIVE LENS	UV
\$MAG	MAGNIFICATION OF OBJECTIVE LENS	100
\$DLV	VOLTAGE OF LAMP FOR DIASCOPIE ILLUMINATION	DLV11V
\$DSH	STATUS OF SHUTTER FOR DIASCOPIE ILLUMINATION (OPEN,CLOSE)	DSHOPEN
\$DND	TRANSPARENT RATIO OF ND FILTER FOR DIASCOPIE ILLUMINATION	DND25
\$DAS	OPEN RATIO OF APERTURE STOP FOR DIASCOPIE ILLUMINATION	DAS50
\$DFS	OPEN RATIO OF FIELD STOP FOR DIASCOPIE ILLUMINATION	DFS75
\$ANL	STATUS OF ANALYZER(IN,OUT)	ANIN,ANOUT
\$ELV	VOLTAGE OF LAMP FOR EPISCOPIE ILLUMINATION	ELV20
\$ESH	STATUS OF SHUTTER FOR EPISCOPIE ILLUMINATION (OPEN,CLOSE)	ESH_OPEN
\$END	TRANSPARENT RATIO OF ND FILTER FOR EPI	END100
\$EAS	OPEN AREA RATIO OF APERTURE STOP FOR EPISCOPIE ILLUMINATION	EAS25
\$EFS	OPEN AREA RATIO OF FIELD STOP FOR EPISCOPIE ILLUMINATION	EFS50
\$FEX	TYPE OF EXCITATION FILTER	EX365/10
\$FDM	TYPE OF DICHROIC BEAMSPLITTER	DM400
\$FBA	TYPE OF EMISSION FILTER	BA400
\$STAGE	POSITION OF STAGE(X, Y, Z)	STG(2500,1800,200)

F i g . 3

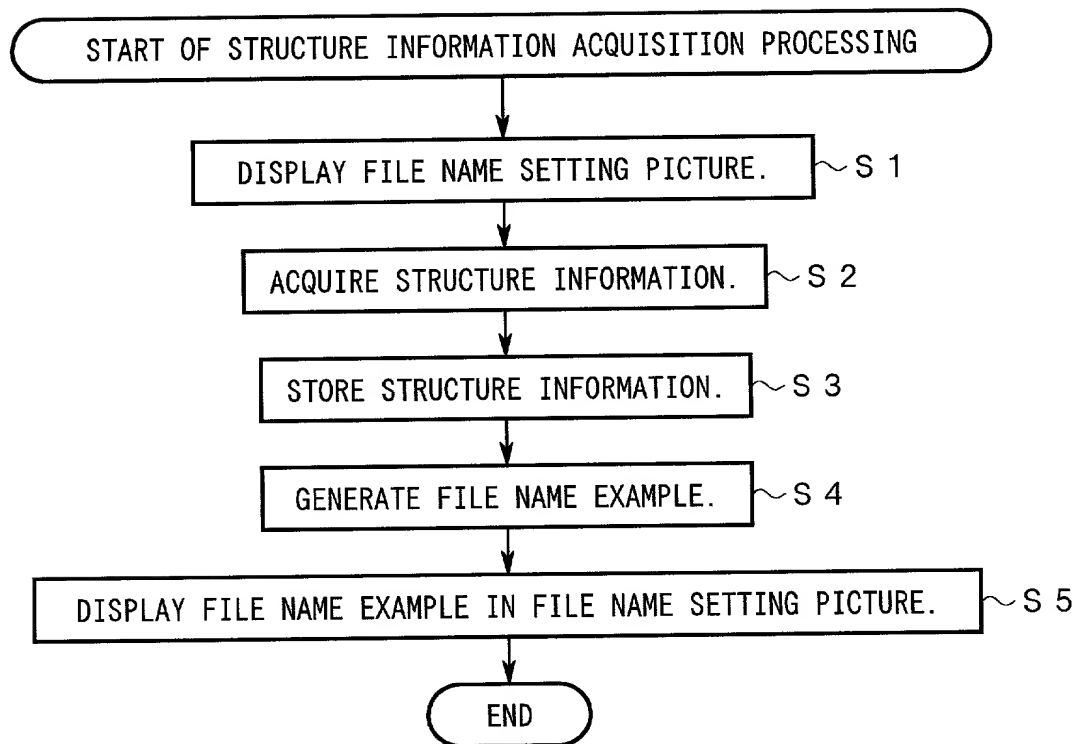


Fig. 4

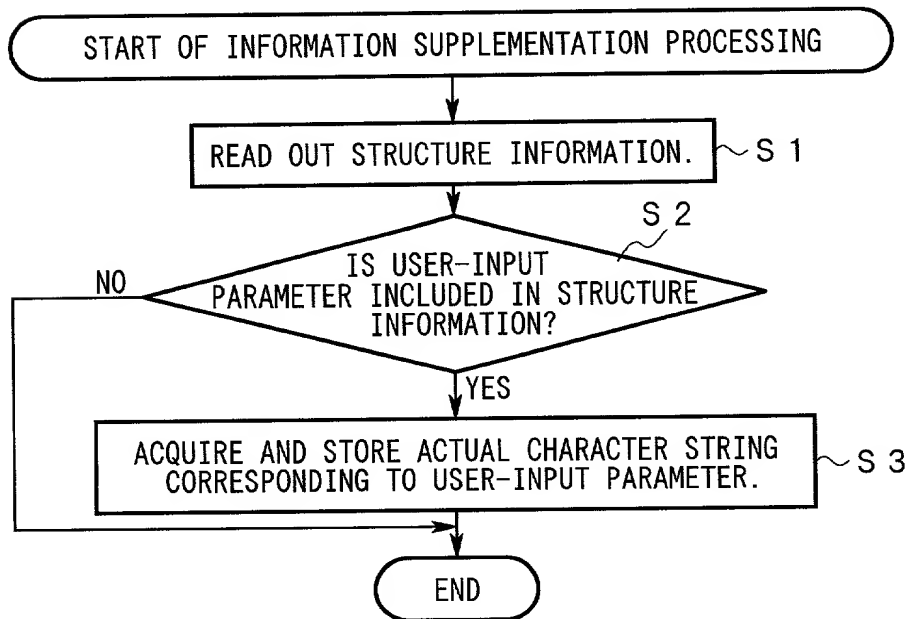


Fig. 5

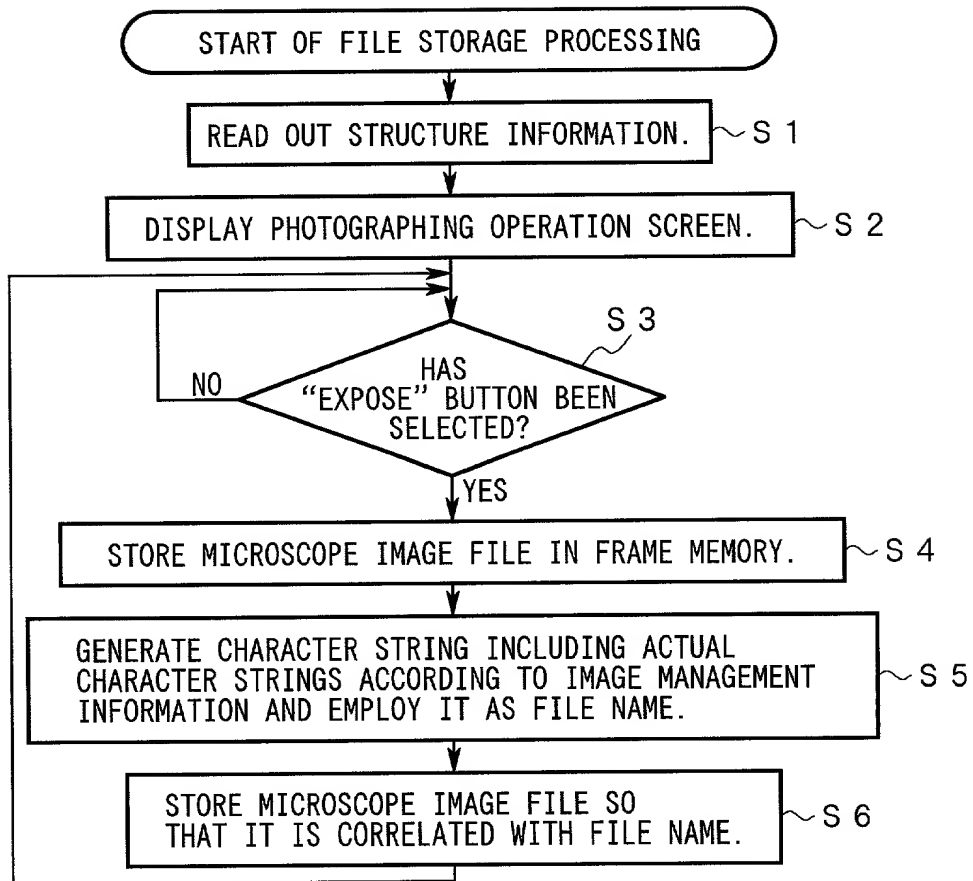


Fig. 6

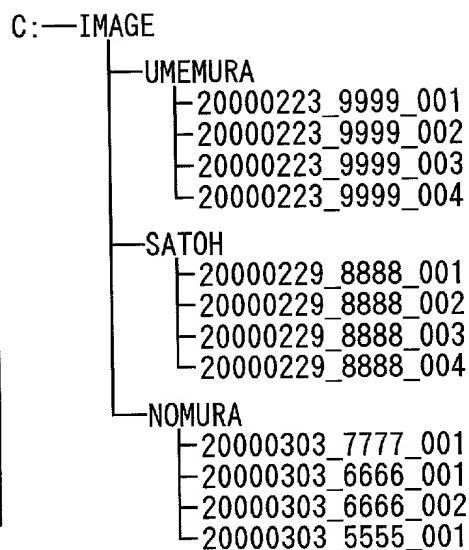
File Name Setting

Directory Name
C:\IMAGE\USER ▼

File Name
Prefix
Body
\$YYYY\$MM\$DD \$ID \$###

Ex:
C:\IMAGE\UMEMURA\20000223_9999_001

A - 1



A - 2

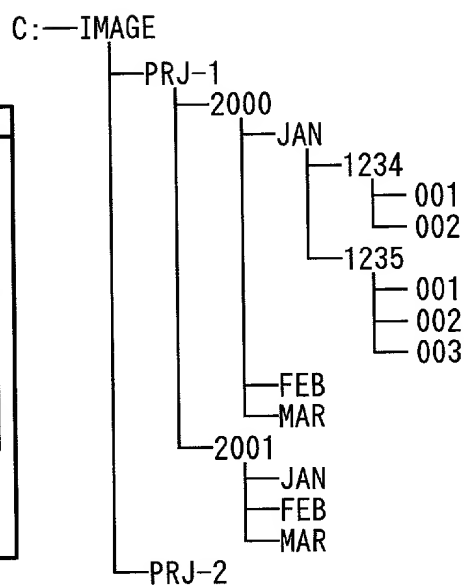
File Name Setting

Directory Name
C:\IMAGE\PRJ\ \$YYYY \$MMM \$ID ▼

File Name
Prefix
Body
\$###

Ex:
C:\IMAGE\PRJ-1\2000\JAN\1234\001

B - 1



B - 2

F i g . 7

File Name Setting

Directory Name

File Name
 Prefix

Body

Ex:
 C:\IMAGE\UMEMURA\9999\20000223_001

File Name Setting

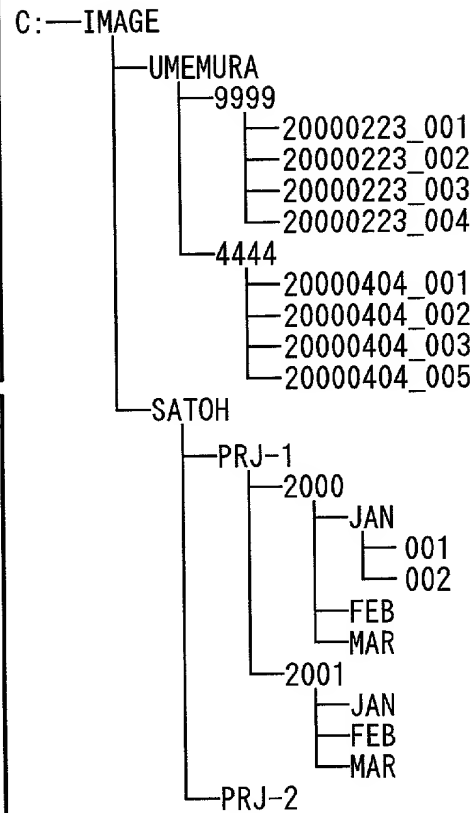
Directory Name

File Name
 Prefix

Body

Ex:
 C:\IMAGE\SAITOH\PRJ-1\2000\JAN\001

A



B

F i g . 8

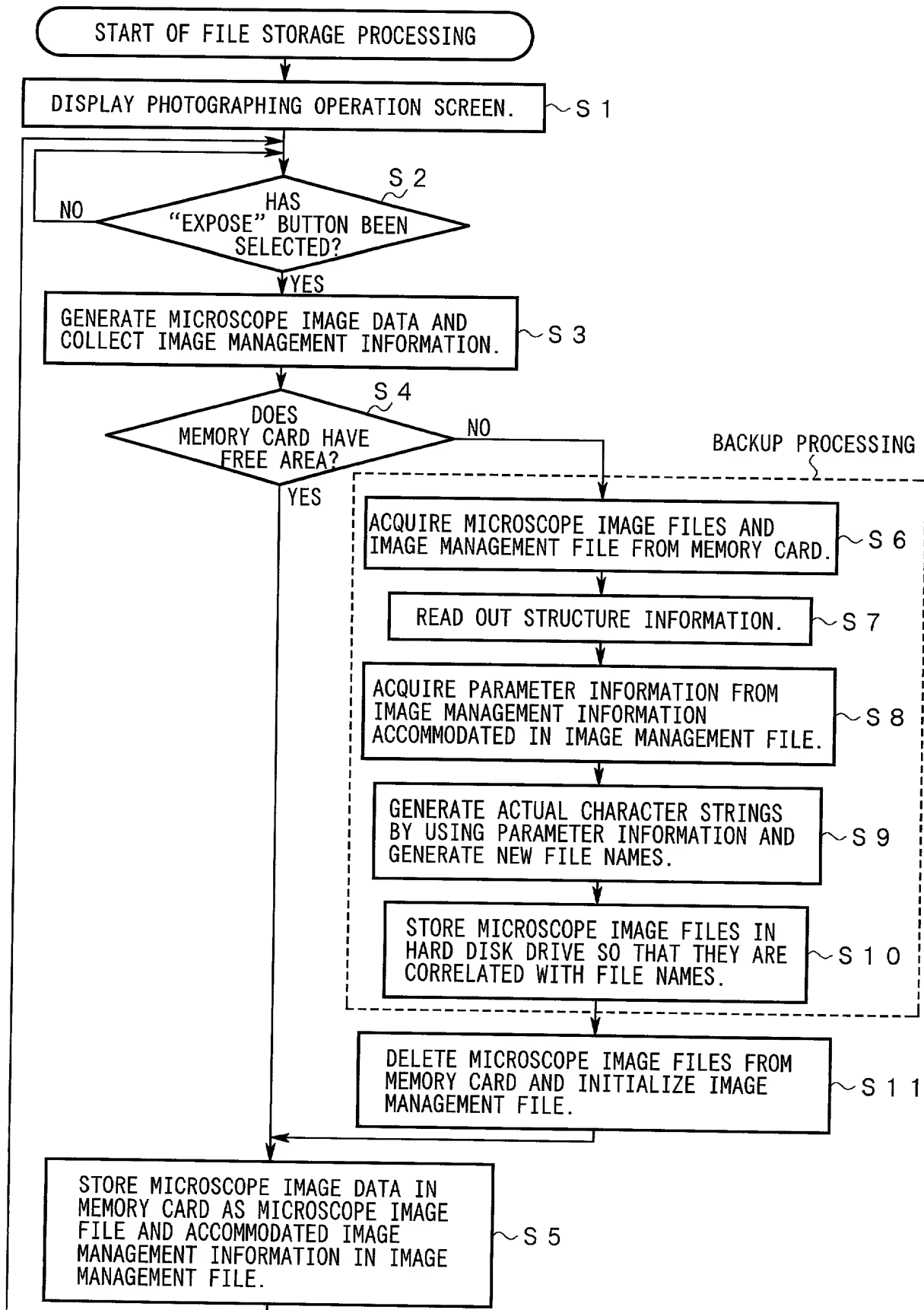
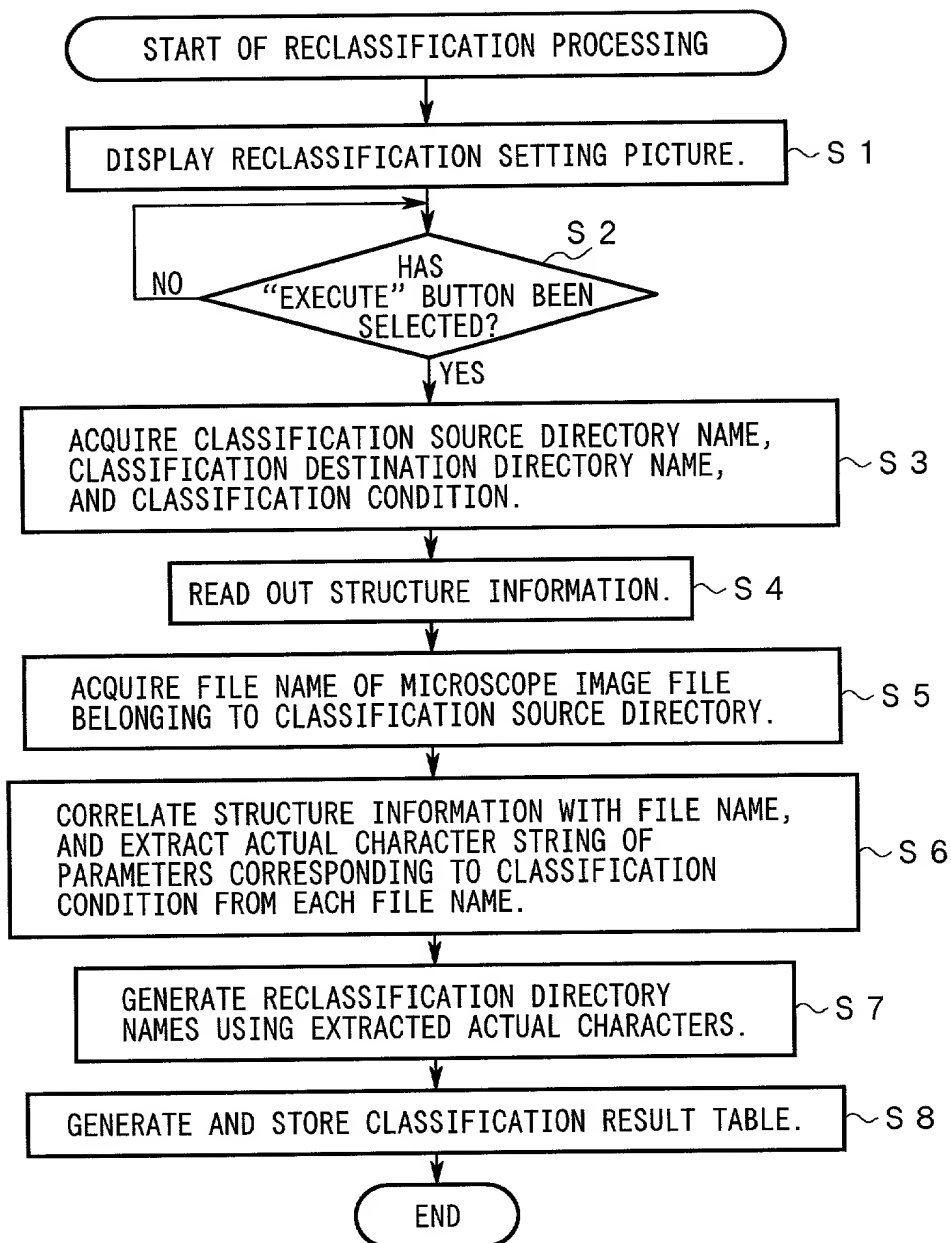


Fig. 9



F i g . 1 0

Classification Setting	
Classification source directory	Classification destination directory
Image1 ▼	Classification1 ▼
Classification condition	
SAMPLE TYPE ▼	
NONE ▼	
NONE ▼	EXECUTE

A. INITIAL STATE

Classification Setting	
Classification source directory	Classification destination directory
Image1 ▼	Classification1 ▼
Image1	
Image2	
Image3	▼
Image4	▼
Image5	
NONE ▼	EXECUTE

B. STEP WHERE CLASSIFICATION SOURCE DIRECTORY IS SET

Classification Setting	
Classification source directory	Classification destination directory
Image1 ▼	Classification1 ▼
	Classification1
Classification condition	Classification2
SAMPLE TYPE ▼	Classification3
NONE	Classification4
NONE ▼	Classification5
	EXECUTE

C. STEP WHERE CLASSIFICATION DESTINATION DIRECTORY IS SET

Classification Setting

Classification source directory	Classification destination directory
Image1 ▼	Classification1 ▼

Classification condition

SAMPLE TYPE ▼	
PHOTOGRAPHED DATE	▼
PATIENT NO.	
SAMPLE NO.	▼
SAMPLE TYPE	
MICROSCOPY	
MAGNIFICATION OF OB	
NONE	

EXECUTE

A. STEP WHERE FIRST CLASSIFICATION CONDITION IS INPUT

Classification Setting

Classification source directory	Classification destination directory
Image1 ▼	Classification1 ▼

Classification condition

SAMPLE TYPE ▼	
MICROSCOPY ▼	
MAGNIFICATION OF OB ▼	
PHOTOGRAPHED DATE	
PATIENT NO.	
SAMPLE NO.	
MAGNIFICATION OF OB	
NONE	

EXECUTE

C. STEP WHERE THIRD CLASSIFICATION CONDITION IS INPUT

Classification Setting

Classification source directory	Classification destination directory
Image1 ▼	Classification1 ▼

Classification condition

SAMPLE TYPE ▼	
MICROSCOPY ▼	
PHOTOGRAPHED DATE	▼
PATIENT NO.	
SAMPLE NO.	
MICROSCOPY	
MAGNIFICATION OF OB	
NONE	

EXECUTE

B. STEP WHERE SECOND CLASSIFICATION CONDITION IS INPUT

Classification Setting

Classification source directory	Classification destination directory
Image1 ▼	Classification1 ▼

Classification condition

SAMPLE TYPE ▼	
MICROSCOPY ▼	
MAGNIFICATION OF OB ▼	

EXECUTE

D. STATE WHERE INPUT IS COMPLETED

Fig. 12

A. EXAMPLE OF STRUCTURE INFORMATION

Directory Name : Image1\Date\ID\SampleNo\SampleType\Mic

File Name(Body) : \$MAG_###

B. FILE NAME

Image1\00/02/18\001\001\050\FL\40_001 . . . (1)
Image1\00/02/18\001\001\050\FL\100_001 . . . (2)
Image1\00/02/18\001\001\050\DIC\100_001 . . . (3)
Image1\00/02/18\001\001\050\DIC\100_002 . . . (4)
Image1\00/02/18\001\002\050\FL\40_001 . . . (5)
Image1\00/02/18\001\002\050\FL\100_001 . . . (6)
Image1\00/02/18\001\002\050\DIC\100_001 . . . (7)
Image1\00/02/18\001\002\050\DIC\100_002 . . . (8)
Image1\00/02/18\002\001\051\FL\40_001 . . . (9)
Image1\00/02/18\002\001\051\FL\100_001 . . . (10)
Image1\00/02/18\002\001\051\DIC\100_001 . . . (11)
Image1\00/02/18\002\001\051\DIC\100_002 . . . (12)

C. HIERARCHICAL FILE STRUCTURE CONSTRUCTED BY RECLASSIFICATION PROCESSING

Classification1

- SAMPLE TYPE:050
 - MICROSCOPY:FL
 - TYPE OF OBJECTIVE LENS:40
 - Image1\00/02/18\001\001\050\FL\40_001 . . . (1)
 - Image1\00/02/18\001\002\050\FL\40_001 . . . (5)
 - TYPE OF OBJECTIVE LENS:100
 - Image1\00/02/18\001\001\050\FL\100_001 . . . (2)
 - Image1\00/02/18\001\002\050\FL\100_001 . . . (6)
 - MICROSCOPY:DIC
 - TYPE OF OBJECTIVE LENS:100
 - Image1\00/02/18\001\001\050\DIC\100_001 . . . (3)
 - Image1\00/02/18\001\001\050\DIC\100_002 . . . (4)
 - Image1\00/02/18\001\002\050\DIC\100_001 . . . (7)
 - Image1\00/02/18\001\002\050\DIC\100_002 . . . (8)
- SAMPLE TYPE:051
 - MICROSCOPY:FL
 - TYPE OF OBJECTIVE LENS:40
 - Image1\00/02/18\002\001\051\FL\40_001 . . . (9)
 - TYPE OF OBJECTIVE LENS:100
 - Image1\00/02/18\002\001\051\FL\100_001 . . . (10)
 - MICROSCOPY:DIC
 - TYPE OF OBJECTIVE LENS:100
 - Image1\00/02/18\002\001\051\DIC\100_001 . . . (11)
 - Image1\00/02/18\002\001\051\DIC\100_002 . . . (12)